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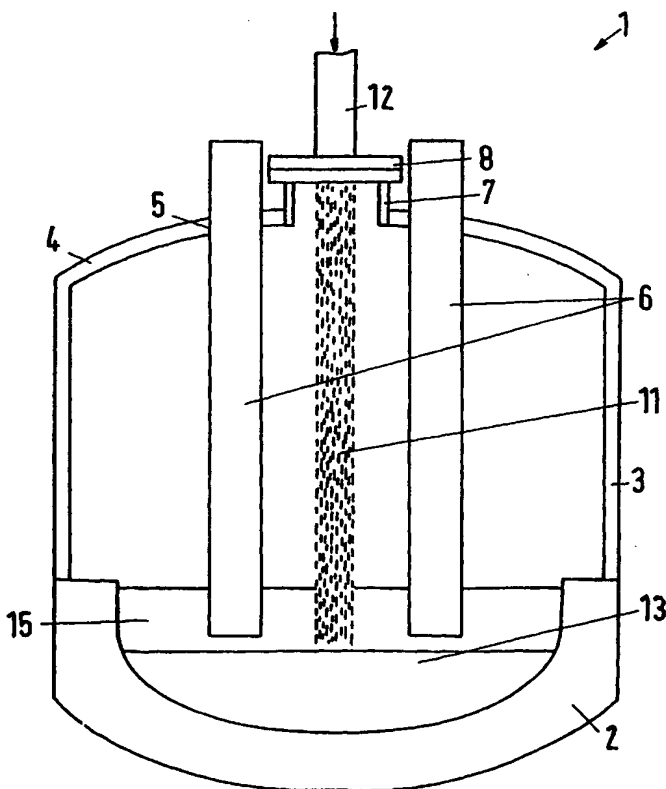
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(54) Title: METHOD OF CHARGING FINE-GRAINED METALS INTO AN ELECTRIC-ARC FURNACE



(57) Abstract: In a method of charging fine-grained
metals, in particular directly reduced iron (DRI), into
an electric-arc furnace (1), the metal is supplied via
a downpipe (12) to an opening (10) provided in the
furnace roof (4), is introduced into the furnace (1)
through this opening (10) as bulk material stream
(11), and falls onto the melt (13) merely by grav-
ity. Further, an electric-arc furnace (1) suited for this
purpose is described. A rather loss-free introduction
even of fine-grained material having a mean grain
size of less than 1 mm is achieved by passing the bulk
material stream (11) through a dosing orifice (8)
after the downpipe (12) and before entering the
furnace (1). The bulk material stream (11) then enters
the furnace essentially undisturbed.

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